APPENDIX A

This certifies that all Site Acceptance Testing (SAT) have been completed for the Rapiscan product described below. All inspections and tests have been satisfactorily completed, and the product is ready for use. Test records are on file and available for review on request.

Contract Number: HSTS04-07-D-DEP346		
Airport Code: FLL	Site Location: FORT LAUDERDALE	
Delivery Order Number: 6	System Serial Number: 7090408	
AT Model Type: 620 DV	AT Software version number:: 2008.409.3001.43	
System TSA Property Tag Number: 407576	Terminal/Checkpoint/Lane Location: TERM 4 LN1	
High-Speed TSA Property Tag Number : 7090408-RT	Roller table TSA Property Tag Number :	
INSTALLATION AND VISUAL INSPECTION	**ACCEPT**	**DECLINE**
Verify the following physical components have been installed on the system against the current BOM and CI List:		
Chassis Assy, RAP 6XX-DV, WBS; P/N **2311376**	☑	☐
Conveyor Frame, Entry/Exit, 27", 620DV; P/N **4031642**	☑	☐
Vertical X-ray Generator Assy, 180Kv; P/N **TA55130/180-H**	☑	☐
Curtain Strip, X22; P/N **4042022**	☑	☐
Monitor, LCD, 19" Flat Panel Display; P/N **1310865**	☑	☐
Switch, Footmat; P/N **131049**	☑	☐
Verify UL Certification is present on Machine Identification Label	☑	☐
Test materials are assembled and ready.	☑	☐
Test Readiness Review has been submitted to TSA.	☑	☐
RADIATION SAFETY	**ACCEPT**	**DECLINE**
The measured level of radiation at all four sides of the AT unit's radiation cabinet does not exceed 0.5 mR/hr (500 µR/hr). The source of the criterion is the FDA 21 CFR 1020.40, Cabinet x-ray systems.	☑	☐
SITE PARAMETER SETTINGS	**ACCEPT**	**DECLINE**
Verify system software version 2008.409.3001.43	☑	☐
Software version:		
Reset Bag Counter:	☑	☐
If Bag counter not reset, record bag count here:		
Verify and set Airport Code setting FLL	☑	☐
Airport Code:		
Verify and set Site Location setting FLL	☑	☐
Site Location:		
Verify and set system date and time settings	☑	☐
Verify and set generator settings	☑	☐
Verify and set main conveyor belt direction	☑	☐
Verify and adjust system generator and detectors settings	☑	☐
(160 ± 1 Kv / 1 ± 0.5 mA expected) Generator Anode Current:		
FUNCTIONAL TEST AND VERIFICATION – Procedure I	**ACCEPT**	**DECLINE**
Verify logon to AT system is successful	☑	☐
Verify screen displays scan mode upon login	☑	☐
Verify screen displays Image review mode	☑	☐
Verify screen displays Image Archive mode	☑	☐
Verify that report can be downloaded to a flash key	☑	☐
FUNCTIONAL TEST AND VERIFICATION – Procedure II	**ACCEPT**	**DECLINE**
Verify keys on keypad function correctly via control panel test.	☑	☐
Verify Search indicators and buzzer are functional	☑	☐

Verify X-ray indicators are functional	☑	☐
Verify footmat operation.	☑	☐
Verify that all E-stops are functional	☑	☐
Verify that High Speed Conveyor stops when E-stop is pressed.	☑	☐
Verify that no X-rays are created when no baggage is in the tunnel	☑	☐
Verify that when the system is turned on the key can not be removed.	☑	☐
FUNCTIONAL TEST AND VERIFICATION – Procedure III	**ACCEPT**	**DECLINE**
Verify that High Speed conveyor and Extended hood are installed	☑	☐
High Speed Conveyor TSA Property Tag No.:		
Verify that entrance roller table/s are installed and attached to the system.	☑	☐
Entrance Roller table(s) TSA Property Tag No.:		
Verify that the exit roller table/s are installed and attached to the system or High Speed Conveyor.	☑	☐
Exit Roller table(s) TSA Property Tag No.:		
Verify that HSC moves in forward direction (Towards the exit)	☑	☐

SYSTEM PERFORMANCE VERIFICATION – Procedure I	**MIN SCORE**	**VERTICAL VIEW**		**HORIZONTAL VIEW**	
		ACCEPT	**DECLINE**	**ACCEPT**	**DECLINE**
Test 1 – Wire Resolution	4	☑	☐	☐	☐
Test 2 – Useful Penetration	5	☑	☐	☐	☐
Test 3 – Spatial Resolution	6	☑	☐	☐	☐
Test 4 – Simple Penetration	3	☑	☐	☐	☐
Test 5 – Thin Organic Imaging	2	☑	☐	☐	☐
Test 6 – IQI Sensitivity Test	8	☑	☐	☐	☐
Test 7 – Organic / Inorganic Differentiation	1	☑	☐	☐	☐
Test 8 – Organic Differentiation	2	☑	☐	☐	☐
Test 9a – Useful Organic Differentiation	1	☑	☐	☐	☐
Test 9b – Useful Organic Differentiation	1	☑	☐	☐	☐
Test 9c – Useful Organic Differentiation	0	☑	☐	☐	☐
Verify that the AT system meets or exceeds the minimum levels of performance as specified in ASTM standard F792-01.		☐	☐	☐	☐
		ACCEPT		**DECLINE**	
Verify during ASTM Testing that Image Processing Keys are present and function.		☑		☐	

Exceptions, Explanation or Comment: 3 Additional Roller tables

[redacted] 03-03-09 [redacted] 3/3/09

Rapiscan Authorized Signature Date TSA Representative Date

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RADIATION SURVEY
APPENDIX B

Department of Transportation **Federal Aviation Administration**	***X-RAY SYSTEM RADIATION LEAKAGE REPORT (BAGGAGE INSPECTION)*** *(Require by 14 CRF 108.17, 14 CRF*	FIELD TEST SERIAL NO.	Form Approved OMB No. 2120-0098

	1.1 Name and	Name of Facility *(18.80)*: FORT LAUDERDALE INT'L ARP	FDA Region	St. No. R.R. or Airline/Airport *(10.80)*	
	Address of Facility	City *(10.73)*: FLL	State Code: FL	Zip Code	
	and Specific Location of X-ray System	Room No. or Other Location of System *(10.32)*	Person Interview *(33-54)*: [redacted]	Telephone No.	
		Certification Label Present	Instruments: *(type and serial number)* INVISION Model: 451P Serial No. 607		
01	1.2 Manufacture And Product ID	A. Manufacture *(Responsible Firm)*: Rapiscan Systems	B. Mfr. Code	C. System Model No. and/or Name: 620 DV	
		D. Unique I.D.	E. System Serial No. 7090408		
		F. Date of Manufacture Mo. JAN Yr. 2009	1.4 Operator Instructions Available: YES	1.5 Maintenance Schedule Available: YES	
02	2.0 Warning Labels	2.1 Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized"	2.2 Warning Labels Present at Ports Stating: "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard"	2.3 Two Indicators Labeled "X-Ray On" Present at Controls *(One May Be Labeled "mA Meter")*	
	Indicators	2.4 At Least One Indicator, X-Ray Marked "X-Ray On", Visible from Each Port, Door, And Access Panel: YES	3.0 Interlocks	3.1 "Captured Key" Control: YES	
	3.2 Door Safety Inter-Locks	A. Minimum Number of Interlocks Visible At Any One Door: YES	3.3 Prevention of X-Radiation By Interlocks	A. All Doors and Access Panels That Were Tested Prevent Generation of X-Radiation: YES	
		B. At Least One Interlock Dependent on No Moving Part Except Door: YES		B. Use of X-Ray Control Necessary to Resume Operation Following Interruption: YES	
	4.0 Ports and/or Apertures	4.1 Some Part of the Body Can Be Inserted Through a Port Into The Primary Beam: NO		4.2 Some Part of the Body Can Be Inserted Into the Aperture: NO	
	6.0 Baggage Inspection Systems	6.1 Means Provided to Ensure Operator Presence at the Control Area: YES		6.2 Means Provided to Operator for Terminating Exposures of Greater than One-Half Second and Preventing: YES	
03	7.0 Leakage Radiation	Specific Test Procedure Used: 04	7.1 Scatter Block Description		

7.2 Technical Factures: 160,8 kVp 1.007 mA

05	7.3 Location	Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated	06	Location	Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated
	INPUT	.023 mR/hr	Exp		TOP	.018 mR/hr	exp
	OUTPUT	.021 mR/hr	Exp		BOTTOM	.014 mR/hr	exp
	RIGHT	.017 mR/hr	exp		HOOD	.019 mR/hr	exp
	LEFT	.013 mR/hr	exp			mR/hr	exp

07	Reasonable Number of Exposures That May Be Initiated in One Hour	OR	Duty Cycle of System Indicated As a Percentage of One Hour: 100%
08	8.0 Additional Information 8.1		
09	8.2 BEAM 370		
10	8.3		

Remarks:

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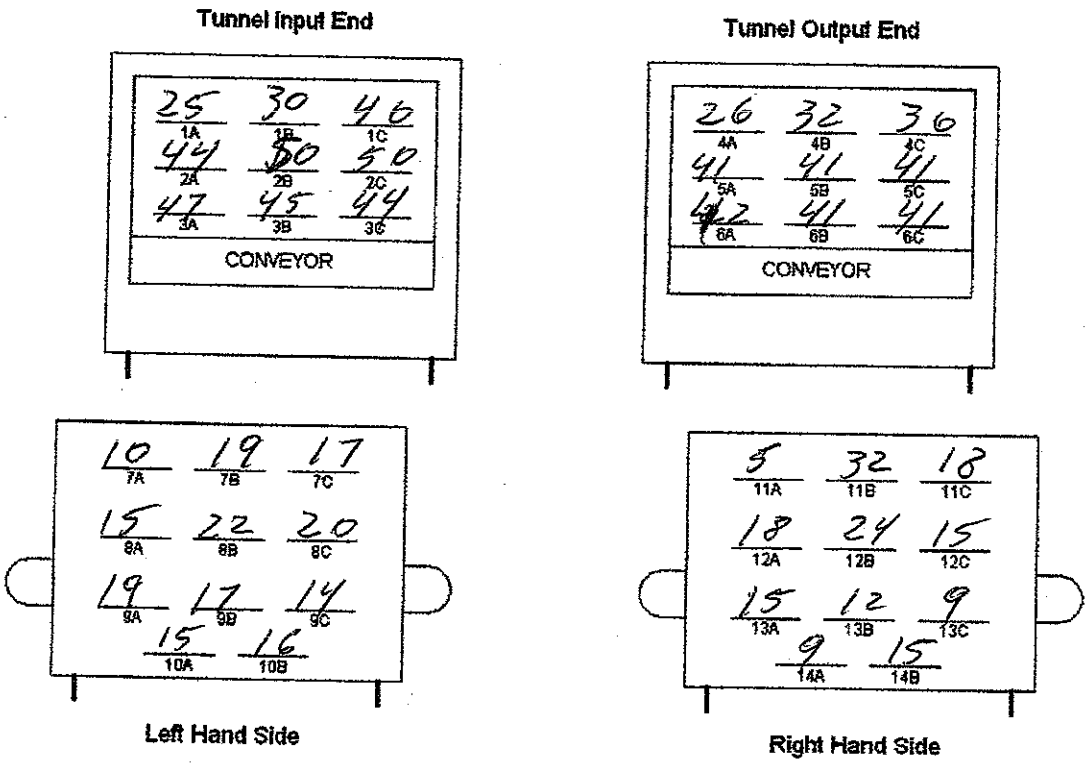
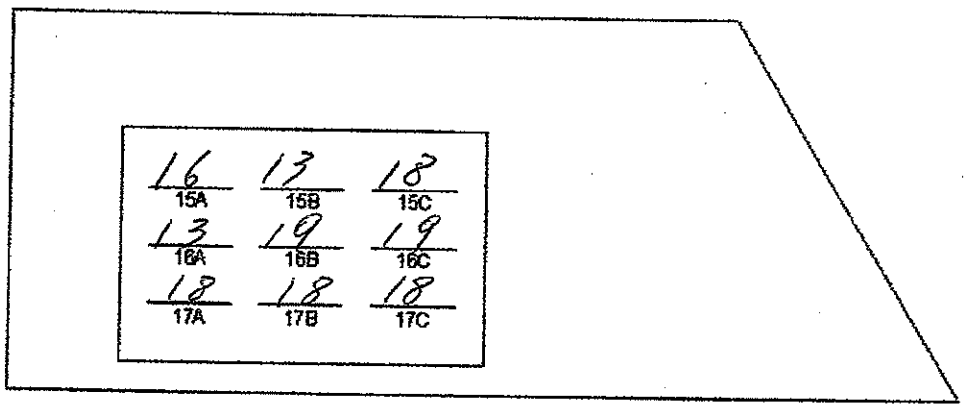
RADIATION SURVEY POSITIONS DIAGRAM
APPENDIX F



Extended Hood Window



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